



<110> Lesley Scott A.
Patent In, Mark

<120> Solubility Reporter Gene Constructs

<130> P0012US20

<140> 09/990,099

<141> 2001-11-21

<150> US 09/721,340

<151> 2000-11-21

<150> US 60/324,833

<151> 2001-09-24

<160> 43

<170> PatentIn version 3.1

<210> 1

<211> 300

<212> DNA

<213> Escherichia coli

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atacgtgtcc tccttaccag aaatttatcc ttaagctcct caataaccat tttcctgcta 180
actaaattca tgggtaaggt tgcataatga tatgcaacaa atgtataata tttcctttac 240
aaaaaaaaata aacaaaagcg accgacaaaa gcacgcgatt acggcaggag acataatggc 300

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<212> DNA

<213> Escherichia coli

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ctcgggtcatc atcaactaac aggattttat tcattgttta aatacctccg aggcagaaat	180
tacgtcatca gacgtcgcta atccatgact ttacgttggt ttacaccccc tgacgcatgt	240
ttgcagcctg aatcgtaaac tctctatcgt tgaatcgcg cagaaagatt ttgggagcaa	300

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<212> DNA

<213> Escherichia coli

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ctaaacgaaa tccatgtgtg aagttgatca caaatttaaa cactggtagg gtaaaaaggt	120
cattaactgc ccaattcagg cgtcaactgg tttgattgta cattccttaa ccggagggtg	180
taagcaaacc cgctacgctt gttacagaga ttgcatcctg caattcccg tccccttttg	240
cggccgtcgc gctgattttt ctggcgtttg cggaaatggg ccaactctgc gaggaaagct	300

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<212> DNA

<213> Escherichia coli

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ttggcataaa gcagaaaatt ttcgcaaata gcgtgctggt gactttttta ctgcgtaaac	180
gcaaggaaaa gaaagcaaag gtacggcagt atgcaaata taatgagaac gactatcaat	240
tcgacgtcgt tttgatatta ttatgcgcag attttgtgac ttgcgtcctg gagatacaca	300

<210> 5

<211> 300

<212> DNA

<213> Escherichia coli

<400> 5

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aaacgggtac atatagcccc gcaaactga ccacgccgc agatattact taaatcagag	180
ccatagaggc cacgcaggcg aggcataat ctttacgac tgtataaaga cggattgttg	240
atgatgtgtt aaaattgatg taaacaaatt gtgaagtga tgtgcttcg gggaaaataa	300

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<213> Escherichia coli

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attaatcaac gaaattataa tgtttctaaa attagaatat aatttataaa cattatttaa	120
atgttggttac ttaagtgtta ccgttgatgc cgcgcaaact tcacctgaa taaagcgact	180
aaaagtaagg cattaacaag	200

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<212> DNA

<213> Escherichia coli

<400> 7

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tcaacttcca gcttgatggc aaaacgatcg agcaacgccc gctggttgtg ttgcaagaaa	120
tcccgggaagg taacttcttc ggcaaaatca ttgattacat taaattaatg ttccatcact	180
ggtttggtta aaaattaaac acttgaaagt gtaatttccg tccccatata ctaagcatca	240
gtaaaaaact cccgccttct ggcgggagtt gctatttaat tacgttacgc cggagctgac	300

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<211> 200

<212> DNA

<213> Escherichia coli

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 gattttccga atttagccct taaatcatca acaatgcgtg tggatgccat ttcgcagacg 120
 gcgcgaaaat ggtactttta agggctattg cggttaagttg accataattt attcgtctta 180
 accacataac gggaagtaat 200

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<211> 300

<212> DNA

<213> Escherichia coli

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 gtttattgct ttagttgtac gatgcaaaaa ccaataagga aacctgtgat tttcagctct 120
 acatcacctt gcaaatctct gtcacttcta atataaaaat agggagaaat gatggagctt 180
 atattcattg gcgattagga aactatcttg ttatacaaaa caatacagtt ctttacattt 240
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<211> 300

<212> DNA

<213> Escherichia coli

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 tgagcggatg tgccagacct ttcaggtgct gtttttggtt agtactcaga ttcattcgat 180
 tttttgctta cgttgggatt gaaaacgggt cattctaccg ccatctccca tatatcacca 240
 aataggcgcg taaaaattta cgcaattggt tacgatgagt tatcccatg ggaaagttaa 300

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<211> 300

<212> DNA

<213> Escherichia coli

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caacgatgac ctcgtaacct tttgtgcaca gccagcggta gagcatttca tgtgttgta	120
gtgcagtggg gtgccgtggg tgtcccacaa tgccaatata cttgaaatga ttattcattt	180
ttccgaggtc cttgttgca agattgatga caatgtgagt gcttcccttg aaaccctgaa	240
actgatcccc ataataagcg aagttagcga gatgaatgcg aaaaaaacgc ggagaaattc	300

<210> 12

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<212> DNA

<213> Escherichia coli

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gaagcttgaa aaagccagac ccgcggaaca acccgctccc gtcaagtaat atcaatcagg	120
cacaagaaat tgtgcctgat tttttaacag cgacaagatg ccgtaaata gatgctacaa	180
aatgtaaagt tgtgtctttc tgggtgactta cgcactatcc agacttgaaa atagtcgcgt	240
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<210> 13

<211> 300

<212> DNA

<213> Escherichia coli

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gagcaaattt tcggcggcga ccgttgtaata taccggaaa atgagacttt cttctcttat	120
cgctcgcgaca agaccaccgg tcgtatggca agtttcattt ggctgatata acctaaagaa	180
tcaagacgat ccggtacgcg tgattttctt ttcacattaa tctgggtcaat aaccttgaat	240
aattgagggga tgacctcatt taatctccag tagcaacttt gatccgttat gggaggagtt	300

<210> 14

<211> 200

<212> DNA

<213> Escherichia coli

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gatcaccgct ttgggattac taccaaaaat agttgcgcaa acatcttgaa attttgctaa	120

tgaccacaat ataagctaaa cgcgattcgc aaccattca ggtagccggg gttaaccggc 180
 tgctattaca ggagaaacct 200

<210> 15

<211> 200

<212> DNA

<213> Escherichia coli

<400> 15

cgtgtggtca ttggcccggg gaaaggcaaa gagaacgcag acagcaccct caatcggttg 60
 aagatggcgg gtcatacaaa ctgcattcgg ctgccgccg ggggttgaaa ccctcaaaat 120
 ccccccatc tataattgca ttatgccccg tacttttgta cggggtttgt actctgtatt 180
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<210> 16

<211> 200

<212> DNA

<213> Escherichia coli

<400> 16

ccagggtggtg ggcttttttt tgtcatgaat ttgcatgga accgtgcgaa aagcctcttt 60
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 acacagggac tagctgataa tccgtccata aggttacaat cggtagagca ggttttttca 180
 attttatcca ggagacggaa 200

<210> 17

<211> 200

<212> DNA

<213> Escherichia coli

<400> 17

tcatggcggt ccggttggcg gcgagctgga aatggctgac ggcaccacgt tgtcacactc 60
 ccttgccggg cgtcataaga ttcgttttta agcaaacgag agcaggatca cctgctctcg 120
 cttgaaatta ttctcccttg tccccatctc tcccacatcc tgtttttaac cttaaaatgg 180
 cattattgag gtagacctac 200

<210> 18

<211> 200

<212> DNA

<213> Escherichia coli

<400> 18

catatcgcga aattttctgcg caaaagcaca aaaaattttt gcattctccc cttgatgacg	60
tggttttacga ccccathtag tagtcaaccg cagtgaagtga gtctgcaaaa aaatgaaatt	120
gggcagttga aaccagacgt ttcgccccta ttacagactc acaaccacat gatgaccgaa	180
tatatagtgg agacgtttag	200

<210> 19

<211> 200

<212> DNA

<213> Escherichia coli

<400> 19

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tcgcggatgc cgcaattgat gccggtcgtg atgtacaatt tatagagcag ttccgtcagg	120
cagccgatca tccggtgatc gctacctatc cggaagggtc atatctgaaa gggtttgcct	180
gtcgcgtcat gtaacttgaa	200

<210> 20

<211> 200

<212> DNA

<213> Escherichia coli

<400> 20

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gatggagatt caggcctatt atgaaagctg cctgaaccg caactgatca ccccttcaga	120
aagccttatc gaataacacg tttgcgcggc aggttatgct accctgtcgc gcaaattgct	180
tcactctgga gatttcctc	200

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<212> DNA

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 cagtctatgc aatagaccat aaactgcaaa aaaaagtccg ctgataaggc ttgaaaagtt 180
 catttccaga cccattttta catcgtagcc gatgaggacg cgcctgatgg gtgttctggc 240
 tacctgacct gtccattgtg gaaggtctta cattctcgct gatttcagga gctattgatt 300

<210> 22

<211> 300

<212> DNA

<213> Escherichia coli

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 gcccgcgttt cgcgagccgt gccgggtggtt acactcgtat tctgaagtgt ggcttccgtg 120
 caggcgacaa cgcgccgatg gcttacatcg agctgggtga tcgttcagag aaagcagaag 180
 ctgctgcaga gtaatctgaa gcaacgtaaa aaaacccgcc ccggcgggtt tttttatacc 240
 cgtagtatcc ccacttatct acaatagctg tactcttttt gtccatcccc tggagtattt 300

<210> 23

<211> 64

<212> DNA

<213> Escherichia coli

<400> 23
 caaaaaaag tccgctgata aggcttgaag agttcatttc cagacccatt tttacatcgt 60
 agcc 64

<210> 24

<211> 64

<212> DNA

<213> Escherichia coli

<400> 24
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 atgc 64

<210> 25

<211> 65

<212> DNA

<213> Escherichia coli

<400> 25

ccggtctgat gaccagcgat ttatttcaga aaatcacgcg gatgccgcaa ttgatgccgc 60
aattg 65

<210> 26

<211> 63

<212> DNA

<213> Escherichia coli

<400> 26

acaaaaata gttgcgcaaa catcttgaaa ttttgctaata gaccacaata taagctaaac 60
gcg 63

<210> 27

<211> 64

<212> DNA

<213> Escherichia coli

<400> 27

acaaaaaatt tttgcatctc ccccttgatg acgtggttta cgacccatt tagtagtcaa 60
ccgc 64

<210> 28

<211> 65

<212> DNA

<213> Escherichia coli

<400> 28

gagagcagga tcacctgctc tcgcttgaaa ttattctccc ttgtcccat ctctccaca 60
tcctg 65

<210> 29

<211> 65

<212> DNA

<213> Escherichia coli

<400> 29

cgtaacaaca aaagattggt atgcttgaaa tatggtgatg ccgtacccat aacacagggga 60
ctagc 65

<210> 30

<211> 64

<212> DNA

<213> Escherichia coli

<400> 30

ttcacattaa tctggtcaat aaccttgaat aattgagggga tgacctcatt taatctccag 60
tagc 64

<210> 31

<211> 64

<212> DNA

<213> Escherichia coli

<400> 31

ctgcattcgg ctcgccgccg ggggttgaaa ccctcaaaat cccccccatc tataattgca 60
ttat 64

<210> 32

<211> 65

<212> DNA

<213> Escherichia coli

<400> 32

cagaattttt tttctttttc ccccttgaag gggcgaagcc tcatcccat ttctctggtc 60
accag 65

<210> 33

<211> 64

<212> DNA

<213> Escherichia coli

<400> 33
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catg 64

<210> 34
<211> 62
<212> DNA
<213> Escherichia coli

<400> 34
tggtagactta cgcactatcc agacttgaaa atagtcgcgt aaccatacgt atgtgggtat 60
cg 62

<210> 35
<211> 64
<212> DNA
<213> Escherichia coli

<400> 35
ttgatgacaa tgtgagtgtt tcccttgaaa ccttgaaact gatccccata ataagcgaag 60
ttag 64

<210> 36
<211> 65
<212> DNA
<213> Escherichia coli

<400> 36
tcgtattttt tgcttacgtt gggattgaaa acgggtcatt ctaccgcat ctcccatata 60
tcacc 65

<210> 37
<211> 55
<212> DNA
<213> Escherichia coli

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<222> (6)..(9)

<223> spacer between conserved regions

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<210> 38

<211> 65

<212> DNA

<213> Escherichia coli

<400> 38

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gtgat 65

<210> 39

<211> 63

<212> DNA

<213> Escherichia coli

<400> 39

ttttccgaat ttagccctta aatcatcaac aatgcgtgtg gatgccattt tcgcagacgg 60
cgc 63

<210> 40

<211> 64

<212> DNA

<213> Escherichia coli

<400> 40

ctggtttggg taaaaattaa acacttgaaa gtgtaatttc cgtccccata tactaagcat 60
cagt 64

<210> 41

<211> 64

<212> DNA

<213> Escherichia coli

<400> 41

ataatctcaa taattcaact taatttgaaa attggaatat ccatcacata acgacatgtc 60
gcag 64

<210> 42

<211> 66

<212> DNA

<213> Escherichia coli

<400> 42

tttgctgcgt cctgcattca ccagttgagt atcaagcttt ttgtccgccca tgtcgggatt 60
cctggt 66

<210> 43

<211> 65

<212> DNA

<213> Escherichia coli

<400> 43

gcaacctgaa aaatgccttt cgtcttgaat tgcccgtgca aggtcgccat atggtgattg 60
tggat 65